

FT-600

COMPACT HF TRANSCEIVER

YAESU

...leading the way.SM

Amateur operating simplicity and commercial practicality.

The FT-600 compact HF base station cinches Yaesu's leadership position in amateur radio manufacturing. Combining the straightforward, sensible layout of a commercial radio with the most-often-used features on the front panel, the FT-600 is comparable to its commercial counterpart, and excels as an easy-to-use base station or mobile radio.

- Frequency Coverage:
 - RX: 50 kHz-30 MHz
 - TX: 160-10m Amateur Bands Only
- Direct Digital Synthesis (DDS)
- 100 Memory Channels (in 4 banks of 25)
- Front Mounted Speaker w/High Audio Output
- Direct Keypad Frequency Entry
- Alphanumeric Display
- Selectable Noise Blanker
- MIL-STD 810 Rating
- Omni-Glow™ Display
- Dual Watch



Accessories & Options

Specifications

FC-800	Automatic Antenna Tuner
FIF-232C	Computer Interface
FP-800	AC Power Supply
MD-100A8X	Desk Microphone
SP-7	Mobile Speaker
SP-8	Base Station Speaker
TCXO-4	High Stability Reference Oscillator
YA-007	Mobile Antenna
YA-30	Broadband Dipole Antenna
YF-112A	6 kHz AM Filter
YF-112C	500 Hz CW Filter
YH-77STA	Lightweight Stereo Headphones



General

Receiving Frequency Range: 50 kHz~30 MHz
Transmitting Frequency Range:

160 ~ 10 meter Amateur Bands

Frequency Stability:

±10ppm from 0 ~ +40°C (Standard Version)

±2ppm from 0 ~ +50°C (w/TCXO-4 option)

Emission Modes:

USB, LSB (J3E), CW (A1A), AFSK (J2B),
AM (A3E)

Frequency Tuning Steps:

10 Hz/100 Hz (CW/SSB)

100 Hz/1 kHz (AM)

Antenna Impedance: 50Ω nominal

Operating Temperature Range: -10 ~ +50°C

Supply Voltage:

13.5 V DC ±10%, negative ground

Power Consumption (approx.):

1.2 A RX (no signal)

20 A TX (100 Watts)

Dimensions (WHD):

244 x 104 x 286 mm (w/o Knobs)

(9.6 x 4.1 x 11.3 in.)

Weight (approx.): 4.5 kg (9.9 lbs.)

Transmitter

Power Output: 100 Watts (25W AM Carrier)

Modulation Types:

SSB: Balanced Modulator, filtered carrier

AM: Low-level (early stage)

Spurious Radiation:

>40 dB below peak output

SSB Carrier Suppression:

>40 dB below peak output

Undesired Sideband Suppression:

at least 50 dB

below peak output at 1.5 kHz modulation

Audio Response (SSB):

not more than -6 dB from 400 ~ 2600 Hz

3rd order IMD:

-25 dB typical @100 Watts PER 14.2 MHz

Microphone Impedance: 500 to 600 Ω

Receiver

Circuit Type:

Double-conversion superheterodyne

Intermediate Frequencies:

1st 47055 MHz

2nd 8.215 MHz

Sensitivity (For 10 dB S/N):

	Frequency	
Mode (BW)	0.5~1.8 MHz	1.8~30 MHz
SSB, CW (2.4 kHz)	<2 μV	0.25 μV
AM (6 kHz)	<8 μV	<1 μV

Selectivity:

Modes	Minimum 6 dB BW	Maximum 60 dB BW
CW narrow (optional)	500 Hz	1.2 kHz
SSB, CW, AM narrow	2.2 kHz	5.0 kHz
AM-wide (optional)	6 kHz	12 kHz

Squelch Sensitivity:

1.8~30 MHz (CW, SSB, AM): <2.0 μV

IF Rejection (1.8~30 MHz):

60 dB or better

Image Rejection (1.8~30 MHz):

70 dB or better

Clarifier Tuning Range: ±300 Hz

Maximum Audio Power Output:

at least 1.5 Watts into 4Ω with <10% THD

Audio Output Impedance: 4 to 8Ω

Specifications may be subject to change
without notice or obligation. Specifications
guaranteed only within amateur bands.

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About this brochure: we have made this brochure as comprehensive and factual as possible. We reserve the right, however, to make changes at any time in equipment, optional accessories, specifications, model numbers, and availability. Precise frequency range may be different in some countries. Some accessories shown herein may not be available in some countries. Some information may have been updated since the time of printing; please check with your Authorized Yaesu Dealer for complete details.

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